Damian Richardson

Professor Mehr

October 5th, 2024

CYSE 270

Assignment #5 “Password Cracking”

The goal of this lab is to test the strength of different passwords.

**Task A – Password Cracking**

**1.** Create 6 users in your Linux Terminal, then set the password for each user that meets the following

complexity requirement respectively. You should list the passwords created for each user. **[6 \* 5 = 30 points]**

1. For user1, the password should be a simple dictionary word (all lowercase)

2. For user2, the password should consist of 4 digits

3. For user3, the password should consist of a simple dictionary word of any length characters (all lowercase) + digits

4. For user4, the password should consist of a simple dictionary word characters (all lowercase) + digits +symbols

5. For user5, the password should consist of a simple dictionary word (all lowercase) + digits

6. For user6, the password should consist of a simple dictionary word (with a combination of lower and upper case) + digits +symbols

Remember, do not use the passwords for your real-world accounts.

**2. Export above users’ hashes** into a file named xxx.hash (replace xxx with your MIDAS name) and use

**John the Ripper** tool to crack their passwords in wordlist mode (use rockyou.txt). **[ 40 points]**

3. Keep your john the ripper cracking for 10 minutes. How many passwords have been

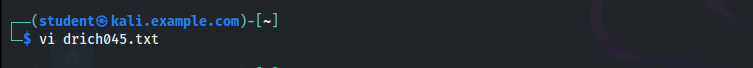
successfully cracked? [30 points] AFTER 10MINS I WAS ABLE TO CRACK 3 PASSWORDSA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated